

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 11244 (1985): Trephine, Bone Lacrimal with Handle [MHD
5: Ophthalmic Instruments and Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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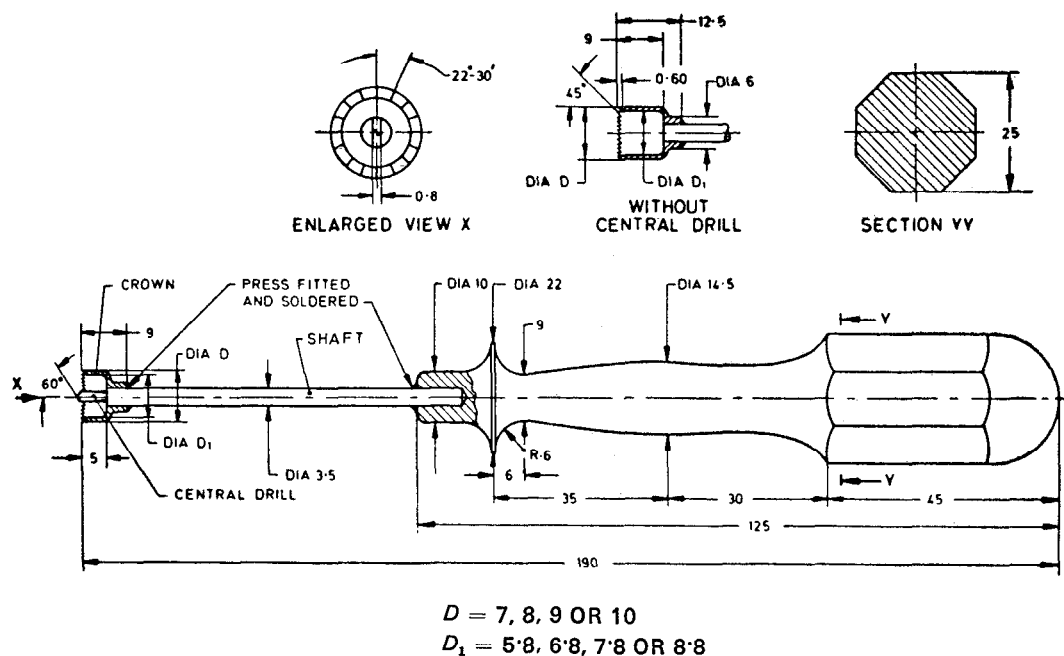


Indian Standard

SPECIFICATION FOR TREPHINE, BONE LACRIMAL WITH HANDLE

1. Scope — Covers requirements for four sizes of trephine with handle (with and without central drill point) used for bones lacrimal.

2. Dimensions — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 TREPHINE BONE, LACRIMAL (WITH AND WITHOUT CENTRAL DRILL)

2.1 A deviation of ± 2.5 percent shall be allowed on all dimensions.

3. Material

Crown — Stainless steel conforming to designation 40Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats.'

Shaft — Stainless steel conforming to designation 20Cr13 of IS : 6603-1972.

Handle — Brass having minimum 60 percent copper.

4. Workmanship and Finish — The trephine shall be free from burrs, pits, cracks and other surface defects. The cutting serrations of the working end shall be well formed and uniform. Joint of the shaft and crown shall be neat and sound and done by brazing. The shaft of the trephine shall fit nicely without slippage to the handle. The handle shall be integrated with the trephine.

4.1 The handle shall be properly made and shall be free from surface defects. All edges of the handle shall be even and rounded off. The handle shall be plated chromium over nickel and the plating shall conform to Grade 2 of IS : 4827-1968 'Specification for electroplated coatings of nickel and chromium on copper and copper alloys'.

4.2 The shape of the handle may be octagonal or hexagonal or as shown in Fig. 1.

5. Hardness — 600 to 700 HV for crown
400 to 450 HV for shaft

6. Tests

6.1 Corrosion Resistance Test — The crown and shaft of trephine shall be tested in accordance with IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments and shall not show any sign of corrosion after the test.

6.2 Performance Test — A piece of fresh bone shall be cut with the trephine. The trephine shall cut the bone neatly without getting damaged and shall continue to function in the normal way after the test.

7. Marking — Each trephine shall be legibly and indelibly marked with the manufacturer's name, initials or recognized trade-mark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — As agreed to between the purchaser and the supplier.